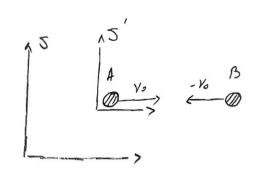
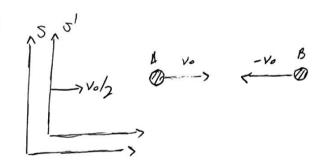
. CHMMENS 1-2 Special Ramorm

THE GAMEAN VEWS MY TENSON HOW ARE

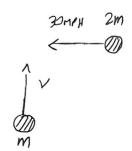


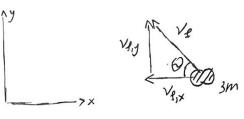
a) TOLIND B'S VEDCITY IN A'S RESTREME, LABOR A'S FLAME AS THE 5'RAME ...

Nona:



$$\int_{X}^{y} \left[v_{x} - v_{0} \right] = v_{0} \left[v_{x} \right]$$





MOVING EXACTLY MORNEST MEANS THAT Q:45°

CONSERVATION OF MOHEMMY, WATCH IS A VEGICL NEWFOOTSHIP, IMPLIES ...

Is bory rightsines the Equivalent, we have.

$$+2m(30m_{PH}) = mV$$

$$50 \left[V = 60 \frac{\text{mines}}{HR}\right]$$

WW

1)
$$V_{9x} = \frac{2}{3} (30 \frac{\text{miss}}{\text{HX}}) = 20 \frac{\text{miss}}{\text{HX}}$$

$$V_{9} = \sqrt{V_{9x}^{2} + V_{9y}^{2}} = \sqrt{60 \frac{\text{miss}}{\text{miss}}}$$

$$V_{1} = 28 \frac{\text{miss}}{\text{HX}}$$

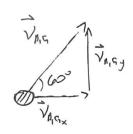
7H5 15 A vector Apornou prosecut..

$$ton \theta = \frac{40m/s}{50m/s}$$

$$ton \Theta = \frac{40m/s}{50m/s} : \Omega = ton \left(\frac{4}{3}\right)$$

Agmi, has misonorens.

ton
$$Q = \frac{V_{A,S}}{V_{A,S}} = \frac{40m}{30m}$$
 so $Q = \frac{1}{5}$ for $\left(\frac{4}{3}\right)$
$$\left[Q = 53^{\circ}\right]$$

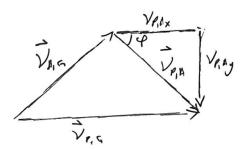


WHOLE

Victory Delay Dilay GIBS NE CONJOURNS OF THE WIND.

THIS IS ANOTHER VEWING ADDITION PROSPER

WHOME



WE MEDO

50, THE (+) EQUATION IS OF THE GOM..

$$V_{P,G} \hat{i} = [(25mPH)\cos(2\hat{i} - (25mPH)\sin(2\hat{j})] + [(12.5mPH)\hat{i} + (21.7mPH)\hat{j}]$$

$$V_{P,G} \hat{i} = V_{P,G} \hat{i} + (21.7mPH)\hat{i} + (21.7mPH)\hat{j}$$

FULLTING COMPONENTS YIEDS.

THE 1 FOR YIADS ..

Puggng THS IND EQN, 2 41205 ..

$$V_{P,Q} = \frac{d}{t}$$
 where $d = 5miles$

so $t = \frac{d}{V} = \frac{5miles}{25miles/hr} = 0.20 hr$

•

ANOTHER VECTOR ADDITION PRODUCT,

I ANSWER THOSE QUESTIONS, WE CAN ANALYZE THE X-AND Y-COMPONENTS JEPANARM.

$$V_y = \frac{D}{\Delta t}$$
 so $\Delta t = \frac{D}{V_y} = \frac{35M}{1.00 \text{ m/s}} = 353$

$$\frac{100 \text{ m/s}}{1.00 \text{ m/s}} = 353$$

Here we need $\vec{V}_{S_1L} = \vec{V}_{S_1L}$ $\vec{V}_{S_1L} = \vec{V}_{S_1L}$ $\vec{V}_{S_1L} = \vec{V}_{S_1L}$ $\vec{V}_{S_1L} = \vec{V}_{S_1L}$

EQUATING COMMONONTS 41205..

THE 1 TOOK YILDS ..

V_{s,L} = (1.00m/s) cos (30°)

$$V_{s,L} = 0.87 \text{m/s} = D = D = \frac{35 \text{m}}{0.87 \text{m/s}}$$

$$\int_{\Delta t} \Delta t = 40 \text{s}$$

1.

$$V_{x} = -V_{0} \qquad +1$$

$$V_{x} = -V_{0} \qquad +1$$

$$V_{x} = -2V$$

$$V_{x}' = V_{x} - V = -2V_{0} + 2$$

b)
$$V = V_0/2$$
 +1
 $V_x = V_0$ +1
 $V_x' = V_x - V = V_0 - V_0/2 = V_0/2 +2$